ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಟಿಪ್ಪಣಿ ಹಾಳೆ

ವಿಷಯ Basavalingappa Samudaya Bhavana and Ambedakar Bhavan in Amruthahalli ward-07 ಪುಟದ ಸಂಖ್ಯೆ 01

ಕಡತದ ಸಂಖ್ಯೆ EE(E)/KODIG/SD/175/2022-23

ಕಂಡಿಕೆ ಸಂಖ್ಯೆ	ಕಾಮಗಾರಿಯ ಅನುಮೋದನೆ ನೀಡುವ ಬಗ್ಗೆ ಟಿಪ್ಪಣಿಗಳು ಮತ್ತು ಆಜ್ಞೆಗಳು

ಸಲ್ಲಿಸಿದೆ,

ವಿಷಯ: ಹಳೀ ವಾರ್ಡ್ ನಂ. 07 ಹೊಸ ವಾರ್ಡ್ ನಂ. 08(ಅಮೃತಹಳ್ಳಿ) ವ್ಯಾಪ್ತಿಯಲ್ಲಿ **Construction of Basavalingappa Samudaya Bhavana and Construction of Ambedakar Bhavan in Amruthahalli in ward no. 07,** ಕಾಮಗಾರಿಯ Work Slip-1 and EIRL-1 ಗೆ ಅನುಮೋದನೆ ನೀಡುವ ಕುರಿತು.

ಉಲ್ಲೇಖ: ಕಾಮಗಾರಿ ಆದೇಶ ಸಂಖ್ಯೆ. **BBMP/EE/BTP/WO/66/22-23 , dt. 09.11.2022**
ಕಾಮಗಾರಿ ಸಂಕೇತ: 007-21-000007

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ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ಹಳೆ ವಾರ್ಡ್ ನಂ.07, ಹೊಸ ವಾರ್ಡ್ ನಂ. 08(ಅಮೃತಹಳ್ಳಿ) Construction of Basavalingappa Samudaya Bhavana and Construction of Ambedakar Bhavan in Amruthahalli in ward no. 07, ಕಾಮಗಾರಿಯು ರೂ. 175.00 ಲಕ್ಷಗಳಿಗೆ 2021-22ನೇ ಸಾಲಿನ ಅಯವ್ಯಯದ ಲೆಕ್ಕ ಶಿರ್ಷಿಕೆ ಪಿ-3288 ರ ಅಡಿಯಲಿ ಅನುಮೋದನೆಗೊಂಡಿದ್ದು, ಸದರಿ ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ವಹಿಸಲು M/s Venkateshwara Asphalts and Concrete Mix, Prop. Umesh N ರವರಿಗೆ ಉಲ್ಲೇಖದ ಕಾರ್ಯದೇಶದ ದಿನಾಂಕ: 09.11.2022 ರಂದು ಕಾಮಗಾರಿ ಆದೇಶವನ್ನು ನೀಡಲಾಗಿರುತ್ತದೆ.

2) 179

ಅದರಂತೆ, ಅನುಮೋದಿತ ಅಂದಾಜು ಪಟ್ಟಿಯಂತೆ ಕಾಮಗಾರಿ ನಿರ್ವಹಿಸುತ್ತಿರುವ ಸಮಯದಲ್ಲಿ ಸ್ಥಳದ ಅವಶ್ಯಕತೆಗೆ ಅನುಗುಣವಾಗಿ ಕೆಲವು ಪರಿಮಾಣಗಳನ್ನು ಬದಲಾಯಿಸಿಕೊಂಡು ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ವಹಿಸಬೇಕಾಗಿರುವುದರಿಂದ work Slip-1 Amount Rs. 304254.93 (1.93%) ಹಾಗೂ EIRL-1 Amount Rs. 19,93,295.00 (12.67%) ಗಳಿಗೆ ತಯಾರಿಸಲಾಗಿದೆ.

ಆದುದರಿಂದ ಸದರಿ ಕಾಮಗಾರಿಯ EIRL-1 ಹಾಗೂ Work Slip-1 ಗಳಿಗೆ ಅನುಮೋದನೆ ನೀಡುವ ಸಂಬಂಧ ತಮ್ಮ ಮುಂದಿನ ಆದೇಶ ಕೋರಿ ಕಡತವನ್ನು ಮಂಡಿಸಿದೆ.

08.01.2024
ಸಹಾಯಕ ಅಭಿಯಂತರರು

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
Assistant Executive Engineer
ಕೊಡಿಗೇಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
Kodigehalli Sub Division
BBMP, Bangalore

3) 180

ಕಾರ್ಯ ಕಾರಿ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಬೆಂಗಳೂರು-560032.

ಪು.ತಿ.ನೋ

ವಿಷಯ :

ಪುಟದ ಸಂಖ್ಯೆ 02

ಕಡತದ ಸಂಖ್ಯೆ 20

ಕಂಡಿಕೆ ಸಂಖ್ಯೆ	ಟಿಪ್ಪಣಿಗಳು ಮತ್ತು ಆಜ್ಞೆಗಳು

ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ P-3288 ರಲ್ಲಿ Construction of Basavalingappa Samudaya Bhavana and Construction of Ambedkar Bhavan in Amruthahalli in ward no 07 ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ವಹಿಸಲು ರೂ. 175.00 ಲಕ್ಷಗಳಿಗೆ ಅನುಮೋದನೆಯಾಗಿದ್ದು, ಸದರಿ ಕಾಮಗಾರಿಯನ್ನು ಕೈಗೊಳ್ಳಲು ಮೆ॥ ವೆಂಕಟೇಶ್ವರ ಆಸ್ಫಾಲ್ಟ್ ಅಂಡ್ ಕಾಂಕ್ರೀಟ್ ಮಿಕ್ಸ್, ಪ್ರೊ. ಶ್ರೀ. ಉಮೇಶ್. ಎನ್ ರವರಿಗೆ ರೂ. 1,57,35,337.61 (ಜಿ.ಎಸ್.ಟಿ. ಹೊರತುಪಡಿಸಿ) ಕಾರ್ಯಾದೇಶ ನೀಡಲಾಗಿರುತ್ತದೆ. ಸದರಿ ಕಾಮಗಾರಿಯನ್ನು ಸ್ಥಳಕ್ಕನುಗುಣವಾಗಿ, ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ವಹಿಸಲು ಅಂದಾಜು ಪಟ್ಟಿಯಲ್ಲಿನ ಮಂಜೂರಾದ ಪರಿಮಾಣಗಳಿಗಿಂತ ಕೆಲವು ಅಂಶಗಳು ಹೆಚ್ಚುವರಿ / ಕಡಿಮೆಯಾಗಿರುತ್ತದೆ. ಅದರಂತೆ ಸ್ಥಳಕ್ಕನುಗುಣವಾಗಿ ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ವಹಿಸಲು ಪರಿಮಾಣದ ಅಂಶಗಳು ಈ ಕೆಳಕಂಡಂತಿರುತ್ತದೆ.

1. ಅನುಮೋದಿತ ಕಾರ್ಯಾದೇಶ ಮೊತ್ತ ರೂ. :15735337.61 (ಜಿ.ಎಸ್.ಟಿ.ಹೊರತುಪಡಿಸಿ)
2. ವರ್ಕ್ ಸ್ಲಿಪ್–1 ಮೊತ್ತ ರೂ :304254.93
3. EIRL-1 ಮೊತ್ತ ರೂ :1993295.00

ಸದರಿ ಕಾಮಗಾರಿಯ ವರ್ಕ್ ಸ್ಲಿಪ್–1 ಮತ್ತು EIRL-1 ಗಳಿಗೆ ಅನುಮೋದನೆ ನೀಡಲು ಕಡತವನ್ನು ತಮ್ಮ ಮುಂದಿನ ಆದೇಶಕ್ಕಾಗಿ ಮಂಡಿಸಿದೆ.

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಬೆಂಗಳೂರು-560026

ಮುಖ್ಯ ಅಭಿಯಂತರರು
(ಯಲಹಂಕ ವಲಯ)

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗರವರು ತಿಳಿಸಿರುವಂತೆ Construction of Basavalingappa Samudaya Bhavana and Construction of Ambedkar Bhavana in Amruthahalli in ward no-07 ಕಾಮಗಾರಿಯನ್ನು ಸ್ಥಳಕ್ಕೆ ಅನುಗುಣವಾಗಿ ನಿರ್ವಹಿಸಿದ್ದರಿಂದ ಮೂಲ ಅಂದಾಜು ಪಟ್ಟಿಯಲ್ಲಿನ ಮಂಜೂರಾದ ಪರಿಮಾಣಗಳಿಗಿಂತ ಕೆಲವು ಅಂಶಗಳು ಹೆಚ್ಚು/ಕಡಿಮೆಯಾಗಿದ್ದು ವಿವರಗಳು ಈ ಕೆಳಕಂಡಂತಿರುತ್ತದೆ.

1. ಕಾಮಗಾರಿಯ ಅಂದಾಜು ಮೊತ್ತ ರೂ.**175.00**ಲಕ್ಷಗಳು
2. ವರ್ಕ್ಸ್‌ಸ್ಲಿಪ್–1ರ ಮೊತ್ತ ರೂ.**3,04,254.93(1.93%)**ಗಳು
3. ಇಐಆರ್‌ಎಲ್–1ರ ಮೊತ್ತ **ರೂ.19,93,295.00(12.67%)**ಗಳು

ಮೇಲ್ಕಂಡ ವರ್ಕ್ಸ್‌ಸ್ಲಿಪ್ ಮತ್ತು ಇಐಆರ್‌ಎಲ್ ಮೊತ್ತವನ್ನು ಕಾಮಗಾರಿಯ ಉಳಿತಾಯ ಮೊತ್ತದಲ್ಲಿ ಭರಿಸಿದ್ದು, ಇದರಿಂದ ಯಾವುದೇ ಹೆಚ್ಚಿನ ಆರ್ಥಿಕ ಹೊರೆಯಾಗಿರುವುದಿಲ್ಲ. ಈ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ವರ್ಕ್ಸ್‌ಸ್ಲಿಪ್–1 ಮತ್ತು ಇಐಆರ್‌ಎಲ್–1ರ ಅಂದಾಜುಪಟ್ಟಿ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು (ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ)ರವರು ಅನುಮೋದನೆ ಕೋರಿದ್ದು, ಮುಂದಿನ ಆದೇಶಕ್ಕೆ ಸಲ್ಲಿಸಿದೆ.

ಮುಖ್ಯ ಅಭಿಯಂತರರು(ಯ.ವ)

ಮುಖ್ಯ ಅಭಿಯಂತರರು 10.01.2024
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಕಾಅ. (ಬ್ಯಾವಿ)
ಬೃಪೆಂಮಪಾ.

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF BASAVALINGAPPA SAMUDAYA BHAVANA AND CONSTRUCTION OF AMBEDKAR BHAVAN IN AMRUTHAHALLI IN WARD NO 07 (CALL-7)

EIRL-1

Approved Amount	15735337.61
Name of Contractor	Umesh N
Tender premium	(+2.77%) Above

Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E1	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.	Sqm	44.04	1083.89	47730.00	Additional Item	No	-	Yes, (Pg No. 17, It No.6.34 of KPWD S.R 2021-22).	
E2	Providing Teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.	Cum	0.08	269058.07	21852.00	Additional Item	No	-	Yes, (Pg No. 99, It No.12.10 of KPWD S.R 2021-22).	
E3	Providing and fixing in position fully panelled Teak wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures).	Sqm	3.15	10657.33	33592.00	Additional Item	No	-	Yes, (Pg No. 100, It No.12.14 of KPWD S.R 2021-22).	

Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E4	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including pointing the joints with white cement and matching pigments etc., complete.	Sqm	4.73	870.03	4114.00	Additional Item	No	-	Yes, (Pg No. 60, It No.9.11 of KPWD S.R 2021-22).	
E5	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per m2, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	23.07	1100.67	25387.00	Additional Item	No	-	Yes, (Pg No. 71, It No.10.14 of KPWD S.R 2021-22).	
E6	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including pointing the joints with white cement and matching pigments etc., complete.	Sqm	13.47	878.65	11838.00	Additional Item	No	-	Yes, (Pg No. 60, It No.9.11 of KPWD S.R 2021-22).	

Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E7	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per m2, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	68.72	1111.57	76391.00	Additional Item	No	-	Yes, (Pg No. 71, It No.10.14 of KPWD S.R 2021-22).	
E8	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent.	Sqm	85.34	3276.89	279634.00	Additional Item	No	-	Yes, (Pg No. 63, It No.9.24 of KPWD S.R 2021-22).	
E9	Providing and laying Autoclaved Aerated Cement blocks masonry with 100 mm thick AAC blocks as per IS 2185 (Part III) in super structure above plinth level up to floor I level in cement mortar 1:4 (1 cement: 4 coarse sand) including cost of all materials, labour, scaffolding and usage charges of machinery & other incidental charges complete as per the direction of engineer incharge of work.	Cum	35.98	5517.06	198502.00	Additional Item	No	-	Yes, (Pg No. 16, It No.6.26 of KPWD S.R 2021-22).	

Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E10	Providing and laying Autoclaved Aerated Cement blocks masonry with 100 mm thick AAC blocks as per IS 2185 (Part III) in super structure above plinth level up to floor I level in cement mortar 1:4 (1 cement: 4 coarse sand) including cost of all materials, labour, scaffolding and usage charges of machinery & other incidental charges complete as per the direction of engineer incharge of work.	Cum	1.35	5571.68	7507.00	Additional Item	No	-	Yes, (Pg No. 16, It No.6.26 of KPWD S.R 2021-22).	
E11	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.	Sqm	77.97	1073.27	83680.00	Additional Item	No	-	Yes, (Pg No. 17, It No.6.34 of KPWD S.R 2021-22).	
E12	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	114.57	367.65	42123.00	Additional Item	No	-	Yes, (Pg No. 42, It No.8.90 of KPWD S.R 2021-22).	

Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E13	Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm.Maximum possible size – 1000mm x 1000mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made).	Sqm	0.95	5560.44	5309.00	Additional Item	No	-	Yes, (Pg No. 110, It No.12.85 of KPWD S.R 2021-22).	
E14	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc.	Kgs	20.05	163.27	3274.00	Additional Item	No	-	Yes, (Pg No. 85, It No.11.34B of KPWD S.R 2021-22).	
E15	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @ 0.80 ltr/10 m² of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	0.95	121.03	116.00	Additional Item	No	-	Yes, (Pg No. 47, It No.8.33.3 of KPWD S.R 2021-22).	

Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E16	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	23.07	283.16	6531.00	Additional Item	No	-	Yes, (Pg No. 41, It No.8.2.1 of KPWD S.R 2021-22).	
E17	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	68.72	285.96	19652.00	Additional Item	No	-	Yes, (Pg No. 41, It No.8.2.1 of KPWD S.R 2021-22).	
E18	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.	Sqm	265.11	94.77	25124.00	Additional Item	No	-	Yes, (Pg No. 50, It No.8.51 of KPWD S.R 2021-22).	
19	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	265.11	102.76	27243.00	Additional Item	No	-	Yes, (Pg No. 48, It No.8.40 of KPWD S.R 2021-22).	

Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E20	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/ Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge.	Sqm	567.37	842.20	477843.00	Additional Item	No	-	Yes, (Pg No. 133, It No.15.1 of KPWD S.R 2021-22).	
E21	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps	Each	4.00	2858.96	11436.00	Additional Item	No	-	Yes, (Pg No. 125, It No.14.7.3 of KPWD S.R 2021-22).	
E22	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings	Each	4.00	1543.09	6172.00	Additional Item	No	-	Yes, (Pg No. 125, It No.14.8 of KPWD S.R 2021-22).	

Sr No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E3	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	Each	5.00	5658.00	28290.00	Additional Item	No	-	Yes, (Pg No. 123, It No.14.3.1 of KPWD S.R 2021-22).	
E4	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :One urinal basin with 5 litre white P.V.C. automatic flushing cistern	Each	2.00	3997.34	7995.00	Additional Item	No	-	Yes, (Pg No. 123, It No.14.4.1 of KPWD S.R 2021-22).	
E5	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) - 50mm nominal OD pipes.	m	78.00	867.07	67631.00	Additional Item	No	-	Yes, (1st Corrigenda, It No.13.31.6 of KPWD S.R 2021-22).	

Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
2	3	4	5	6	7	8	9	10	11
Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) -25mm nominal OD pipes.	m	120.00	357.23	42867.00	Additional Item	No	-	Yes, (1st Corrigenda, It No.13.31.3 of KPWD S.R 2021-22).	
Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to 15:13592 Type A including jointing with seal ring conforming to IS:5382, leaving 10mm gap for thermal expansion, (i) Single socketed pipes 100mm diameter	m	102.00	286.01	29173.00	Additional Item	No	-	Yes, (1st Corrigenda, It No.13.48 of KPWD S.R 2021-22).	
Constructing brick masonry chamber of internal dimension 450x450mm and depth of 600mm (inner dimensions) with modular bricks of CD 75 in cement mortar 1:6, bed concrete 150mm thick with 1:3:6,plastering 12 mm thick with cement mortar 1:4, CC 1:2:4 coping 75mm thk for fixing CI cover & frame etc. excluding the cost of CI frame and cover.	Each	4.00	4368.14	17473.00	Additional Item	No	-	Yes, (Pg No. 187, It No.10 of KPWD S.R 2021-22).	

Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E29	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates	Cum	7.02	6713.64	47115.00	Additional Item	No	-	Yes, (Pg No. 17, It No.2.4.1 of KPWD S.R 2021-22).	

Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E30	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates	Cum	42.55	6846.58	291343.00	Additional Item	No	-	Yes, (Pg No. 17, It No.2.4.1 of KPWD S.R 2021-22).	
E31	Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm long brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufacturers specification & direction of Engineer-in-charge.	m	28.50	536.97	15304.00	Additional Item	No	-	Yes, (Pg No. 105, It No.12.54 of KPWD S.R 2021-22).	

Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E32	Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm for stiles and 15x15mm for top & bottom rails, covered with heat moulded PVC C channel of 5mm thick sheet & 30 x 50mm wide to form stiles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the stiles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 mm Aluminium hinges.	Sqm	7.88	324.44	2555.00	Additional Item	No	-	Yes, (Pg No. 105, It No.12.53 of KPWD S.R 2021-22).	
E33	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.	Sqm	23.07	1235.41	28499.00	Additional Item	No	-	Yes, (Pg No. 17, It No.6.33 of KPWD S.R 2021-22).	
	TOTAL EIRL AMOUNT				1993295.00					

PERCENTAGE OF EXCESS COMPARING TO SANCTIONED COST $\frac{1993295.00}{15735337.61}$ x100 = 12.67 %

Asst Engineer

Assistant Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF BASAVALINGAPPA SAMUDAYA BHAVANA AND CONSTRUCTION OF AMBEDKAR BHAVAN IN AMRUTHAHALLI IN WARD NO 07 (CALL-7)

WORKSLIP-I

Approved Amount	15735337.61
Name of Contractor:-	Umesh N
Tender premium:-	(+2.77%) Above

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Now to be paid excess quantity amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt					
2	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and as per	Cum	144.60	8985.57	1299313.42	149.89	149.89	8985.57	1346850.00	0.00	0.00	0.00	1346850.00	47536.58	47536.58		
7	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately). as per Directions of the engineer incharge	Kg	32120.60	122.26	3927064.56	32511.93	32511.93	122.26	3974908.00	0.00	0.00	0.00	3974908.00	47843.44	47843.44		
15	Providing 20 mm cement plaster of mix 1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	243.92	354.09	86369.63	406.08	304.90	354.09	107962.00	101.18	344.77	34884.00	142846.00	56476.37	56476.37		
17	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc.	kgs	1026.27	197.23	202411.23	1173.55	1173.55	197.23	231458.00	0.00	0.00	0.00	231458.00	29046.77	29046.77		

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Now to be paid excess quantity amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt					
19	Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point	Sqm	47.52	8350.73	396826.69	51.35	51.35	8350.73	428821.00	0.00	0.00	0.00	428821.00	31994.31	31994.31		
21	Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm Maximum possible size – 1000mm x 1000mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made).	Sqm	1.35	5617.14	7583.14	4.53	1.69	5617.14	9479.00	2.84	5615.50	15972.00	25451.00	17867.86	17867.86		
22	Providing Teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.	Cum	0.15	271801.33	40770.20	0.21	0.19	271801.33	50963.00	0.02	271722.01	6005.00	56968.00	16197.80	16197.80		
24	Providing and fixing in position fully panelled Teak wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures).	Sqm	3.78	10765.99	40695.44	5.91	4.73	10765.99	50869.00	1.18	10762.84	12722.00	63591.00	22895.56	22895.56		

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Now to be paid excess quantity amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt					
30	Painting to Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @ 0.80 ltr/10 m² of approved brand and manufacture including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	48.87	122.26	5974.85	55.88	55.88	122.26	6832.00	0.00	0.00	0.00	6832.00	857.15	857.15		
34	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	243.92	156.86	38261.29	406.08	304.90	156.86	47827.00	101.18	156.82	15867.00	63694.00	25432.71	25432.71		
39	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per m2 as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 m or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/self tapping screws of size (5.5x 55 mm) with EPDM seal. complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses	Sqm	18.00	647.59	11656.62	30.52	22.50	647.59	14571.00	8.02	647.40	5192.00	19763.00	8106.38	8106.38		
	Grand total				6056927.07				6270540.00			90642.00	6361182.00	304254.93	304254.93		

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/Amount Put to tender x 100

(304254.93/15735337.61)x100 =1.93%

Percentage of Workslip 1.93%

Contractor

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಕಾರ್ಯ ನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
Executive Engineer
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಯಲಹಂಕ ವಲಯ